

卷之三

1	MVRSGNKAAVVLCMDVGFTMSNSIPGIESPFFQAKKVITMVFQRQVAEN	50	
1	MVRSGNKAAVVLCMDVGFTMSNSIPGIESPFFQAKKVITMVFQRQVAEN	50	
51	KDEIALVLFGTGTDNPLSGGDQYQNTIVHRHMLPDFDLDIESKIQP	100	
51	KDEIALVLFGTGTDNPLSGGDQYQNTIVHRHMLPDFDLDIESKIQP	100	
101	GSQQADEFLDALIVSMVDIQTIGKFKRHEIEFTDISRSRFSKSQLDII	150	
101	GSQQADEFLDALIVSMVDIQTIGKFKRHEIEFTDISRSRFSKSQLDII	150	
1151	IHSLKKCDISLQFFLPLSILKEDGSGRGDGPFRIGGHGPSPFLKGITEQ	200	
1151	IHSLKKCDISLQFFLPLSILKEDGSGRGDGPFRIGGHGPSPFLKGITEQ	200	
201	QKEGLIEIVRMVMISLEGEDGLDEIYSFSESLRKLCVFKTERHSIHPCR	250	
201	QKEGLIEIVRMVMISLEGEDGLDEIYSFSESLRKLCVFKTERHSIHPCR	250	

1

251 ITIGSNLSIRIAAYKSILQERVKKTWVDAKTLKKEDIQKETVYCLNDD 300
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
251 ITIGSNLSIRIAAYKSILQERVKKTWVDAKTLKKEDIQKETVYCLNDD 300
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
301 DETEVLKDEDIQQGTRYGSDIVPEFSKVDEEQMKYKSEGKCFSVLGFCKSQ 350
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
301 DETEVLKDEDIQQGTRYGSDIVPEFSKVDEEQMKYKSEGKCFSVLGFCKSQ 350
||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
351 VQRREFMGNQVLKVFAARDDEAAVALSSILTHALDDLMVAIVRAYDKR 400
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
351 VQRREFMGNQVLKVFAARDDEAAVALSSLIHALDDLMVAIVRAYDKR 400
||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
401 ANPQGVYAFPHIKHNYECLVVYVQLPFMEDLROQIMFSSLKNSKKYAPTEAQ 450
||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
401 ANPQGVYAFPHIKHNYECLVVYVQLPFMEDLROQIMFSSLKNSKKYAPTEAQ 450
||||| ||||| ||||| ||||| ||||| ||||| |||||
451 LNAVDALIDSMSLARKDEKTDTLEDLFPTTKIPNPRFQRLFQ 492
||||| ||||| ||||| ||||| ||||| ||||| |||||
451 LNAVDALIDSMSLARKDEKTDTLEDLFPTTKIPNPRFQRLFQ 492
||||| ||||| ||||| ||||| |||||

Fig. 1 (Cont.)

1 MVRSGNKAAVVLCMDVGFTMSNSIPIGGIESPFEQAKKVTITMFVQRQVFAEN 50
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
1 MVRSGNKAAVVLCMDVGFTMSNSIPIGGIESPFEQAKKVTITMFVQRQVFAEN 50
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
51 KDEIALVLFGTDGTDDNPLSGGDQYQNITVHRHMLPDFDLLEDIESKIQP 100
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
51 KDEIALVLFGTDGTDDNPLSGGDQYQNITVHRHMLPDFDLLEDIESKIQP 100
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
101 GSQQADFLDALIVSMDVYQHETIGKKEERKRHIELEFTDLSSRFSKSQLDII 150
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
101 GSQQADFLDALIVSMDVYQHETIGKKEERKRHIELEFTDLSSRFSKSQLDII 150
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
151 IHSLIKCDISLQFFFPLPSLKGEDGSGDRGDGPFRLLGGHGPSFPLKGITEQ 200
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
151 IHSLIKCDISLQFFFPLPSLKGEDGSGDRGDGPFRLLGGHGPSFPLKGITEQ 200
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
201 QKEGLEIVKMVISLEGDLDEIYSSESILRKLCVFKKIERHSIHWPCR 250
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
201 QKEGLEIVKMVISLEGDLDEIYSSESILRKLCVFKKIERHSIHWPCR 250
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Fig. 2.

Fig. 2 (Cont.)

440 EEQRFNNFTKALQEKEVETKQLNHFWEIVQDGITLTKEEASGSSVTAAE 489
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
651 EEQRFNNFTKALQEKEVETKQLNHFWEIVQDGITLTKEEASGSSVTAAE 700

490 AKKFLAPKDKPSGDTAAVFEEGGDVDDLLDMI 521
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
701 AKKFLAPKDKPSGDTAAVFEEGGDVDDLLDMI 732

Fig. 2 (Cont.)

2	GCGCSSHPEDWMENIDVCENCHYPIVPLDGKGTLLIRNGSEVRDPLVTVY	51
1	GCGCSSHPEDWMENIDVCENCHYPIVPLDGKGTLLIRNGSEVRDPLVTVY	50
52	EGSNPPASPLQDNLVIALLHSYEPSHDGLFEEKGEQLRILIEQSGEWWKAQ	101
51	EGSNPPASPLQDNLVIALLHSYEPSHDGLFEEKGEQLRILIEQSGEWWKAQ	100
102	SLTTGQEGLFPENFVAKANSLEPEPWFHKNLSRKDAERQLLAAPGNTHGSF	151
101	SLTTGQEGLFPENFVAKANSLEPEPWFHKNLSRKDAERQLLAAPGNTHGSF	150
1152	LIRESESTAGSFSLSVRDFDQNQGEVVKHYKIRNLNDGGFYISPRITFPG	201
1151	LIRESESTAGSFSLSVRDFDQNQGEVVKHYKIRNLNDGGFYISPRITFPG	200
202	LHELVRHYTNASDGLCCTRLSRPCQTOKPKPWWDEWEVPRETLKLVERL	251
201	LHELVRHYTNASDGLCCTRLSRPCQTOKPKPWWDEWEVPRETLKLVERL	250

252 GAGQFGEVWMGYNGHTKAVKSLKQGSMSPDAFLAEANLMKQLQHQRLV 301
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
251 GAGQFGEVWMGYNGHTKAVKSLKQGSMSPDAFLAEANLMKQLQHQRLV 300
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
302 RLYAVVTQEPYIITEMYENGSLVDFLKTPSGIKLTINKLIDMAAQIAEG 351
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
301 RLYAVVTQEPYIITEMYENGSLVDFLKTPSGIKLTINKLIDMAAQIAEG 350
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
352 MAFIEERNYIHRDLRAANTILVSDLSCKIADFGLARLITEDIHQVR 397
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
351 MAFIEERNYIHRDLRAANTILVSDLSCKIADFGLARLITEDNEYTAR 396
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Fig. 3 (Cont.)

302	TLKVERLGAQQFGEVWMGYNGHTKVAVKSLIKQGSMSPDALFLAEANLMK	351
243	TLKVERLGAQQFGEVWMGYNGHTKVAVKSLIKQGSMSPDALFLAEANLMK	292
352	QLHQRLVRLYAVVTPQPIVITTEYMENGSLVDFLKTPSGIKLPTINKLLD	401
293	QLHQRLVRLYAVVTPQPIVITTEYMENGSLVDFLKTPSGIKLPTINKLLD	342
402	MAAQIAEGMAFIEERNYIHRDLRAANILVSDTSLCKTADEGLARLITEDNE	451
343	MAAQIAEGMAFIEERNYIHRDLRAANILVSDTSLCKTADEGLARLITEDNE	392
452	YTAREGAKFPIKWTAAPEAINYGTFTIKSDVWSFGILTILIVTHGRIPYPG	501
393	YTAREGAKFPIKWTAAPEAINYGTFTIKSDVWSFGILTILIVTHGRIPYPG	442
502	MTNPEVIONLERGYMVRPDNCPEELYQIMRLCWERPEDRPTFDYLRSV	551
443	MTNPEVIONLERGYMVRPDNCPEELYQIMRLCWERPEDRPTFDYLRSV	492
552	LEDFFTATEGQYQPQP	567
493	LEDFFTATEGQYQPQP	508

Fig. 4 (Cont.)

Fig. 4

2 GCGCSSHPEDDWMENIDVCENCHYPIVPLDGKGTLLIRNGSEVRDPLVTY 51
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
1 GCGCSSHPEDDWMENIDVCENCHYPIVPLDGKGTLLIRNGSEVRDPLVTY 50

52 EGSNPPASPLQGDPROQLKDKACGSLAVGFHLSPTYFLPGLAFLVPHPV 101
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
51 EGSNPPASELQ..... 61

102 TPGFLPIPARESITLPLVETDNLVIALHSYEPSHDGDLGFKEGEOFRLIEQ 151
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
62, DNLYIALHSYEPSHDGDLGFKEGEOFRLIEQ 92

152 SGEMWKAQSLTTGQEGFTIPFNFEVAKANSLEPEPWFFKNLSRKDAERQLLA 201
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
93 SGEMWKAQSLTTGQEGFTIPFNFEVAKANSLEPEPWFFKNLSRKDAERQLLA 142

202 PGNTTHGSFLIRESESTAGSFSLSVRDFDQNQGEVVKHYKIRNLNDNGFYI 251
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
143 PGNTTHGSFLIRESESTAGSFSLSVRDFDQNQGEVVKHYKIRNLNDNGFYI 192

252 SPRITFPGLHELVRYHTNASDGLCTRLSRPCQTQKPQKPWEDEWEPRE 301
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
193 SPRITFPGLHELVRYHTNASDGLCTRLSRPCQTQKPQKPWEDEWEPRE 242

1 MRLAVICFCILGLGITCAIPVKQADSGSSSEEKQLYNKPDAVATWLNPDPHQ 50
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
1 MRLAVICFCILGLGITCAIPVKQADSGSSSEEKQLYNKPDAVATWLNPDPHQ 50

51 KQNLIAQNAVSSEETNDFKQETLPSKSNESHDHMDDMDEDDDHVDSQ 100
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
51 KQNLIAQNAVSSEETNDFKQETLPSKSNESHDHMDDMDEDDDHVDSQ 100

101 DSIDSNDSDDVDDTDDSHQSDESHHSDESDELVTDFPTDLFATEVFTPVV 150
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
101 DSIDSNDSDDVDDTDDSHQSDESHHSDESDELVTDFPTDLFATEVFTPVV 150

151 PTVDTYDGRGDSVVYGLRSKSKKFRRPDIQVNPLTD 186
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
151 PTVDTYDGRGDSVVYGLRSKSKKFRRPDIQYPDATA 186

Fig. 5

62 AEAIPCTLAVSNPHTDAWKSHGLVVASYCEESRGNNQWVPPYISLQER 109
| : | | . | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
114 ARDLHC.LLVTNPHTDAWKSHGLVVASYCEESRGNNQWVPPYISLQER 160

Fig. 6

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1	MARQPQCEALLFALALQTGVCYGIKWIALSKTPSALALNQTQHCKQLEG	50
1		
1	MARQPQCEALLFALALQTGVCYGIKWIALSKTPSALALNQTQHCKQLEG	50
51	LVSAQVQLCRSNLELMETIVHAAREVMKACRAFADMRWNCSSIELAPNY	100
51		
51	LVSAQVQLCRSNLELMETIVHAAREVMKACRAFADMRWNCSSIELAPNY	100
51		
101	LLDLERGTRESAFTYALSAATISHAIARACTSGDLPGCSGVPGPFPGP	150
101		
101	LLDLERGTRESAFTYALSAATISHAIARACTSGDLPGCSGVPGPFPGP	150
151	GNRWGRCADNLISYGLLMGAKFSDAPMKVKKTGSQANKLMLRHNSGYRQA	200
151		
151	GNRWGRCADNLISYGLLMGAKFSDAPMKVKKTGSQANKLMLRHNSGYRQA	200
201	LRASLEMKCKCHGVSGSCSIRTCKWGLQELQDVAAIDLKTRYLSATKVVHR	250
201		
201	LRASLEMKCKCHGVSGSCSIRTCKWGLQELQDVAAIDLKTRYLSATKVVHR	250

Fig. 7

251 PMGTRKHLVPKDDIRPVKDSLEVYLOQSSPDCMRNEKVGSHTQDRQCN 300
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
251 PMGTRKHLVPKDDIRPVKDWELVYLOQSSPDCMRNEKVGSHTQDRQCN 300
||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
301 KTSNGSDSCDLM.....CCYVTCCRERTVER 327
||||| ||||| ||||| ||||| ||||| ||||| |||||
301 KTSNGSDSCDLMCCGRGYNPYTDRRVVERCHCKYHWCCYVTCCRERTVER 350
|||||
328 YVCK 331
|||||
351 YVCK 354

Fig. 7 (Cont.)

8

184 KTSNGSDSCDLMCCGRGYNPYTDRVYERCHCKYHCCYTCRRCERTVER 233
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
301 KTSNGSDSCDLMCCGRGYNPYTDRVYERCHCKYHCCYTCRRCERTVER 350

234 YVCK 237
| |||
351 YVCK 354

Fig. 8 (Cont.)

1 MSPFLRIGLSNFDGSCQSCQGEAVNPYCAVLVKEYESENGQMYIQKKP 50
 ||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 1 MSPFLRIGLSNFDGSCQSCQGEAVNPYCAVLVKEYESENGQMYIQKKP 50
 ||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 51 TMYPWDSTFDIAHINKGRVMQLIVKGKVNVDLISETTVEYLSSLAERCRKNN 100
 ||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 51 TMYPWDSTFDIAHINKGRVMQLIVKGKVNVDLISETTVEYLSSLAERCRKNN 100
 ||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 101 GKTETWLELPQGRMLMNARYFLEMSDTKDMNEFETEGFFFAHQRRGATK 150
 ||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 101 GKTETWLELPQGRMLMNARYFLEMSDTKDMNEFETEGFFFAHQRRGATK 150
 ||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 101 GKTETWLELPQGRMLMNARYFLEMSDTKDMNEFETEGFFFAHQRRGATK 150
 ||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 151 QAKVHHVKCHEFTATEFPQPTFCSVQHEFWGLNQGYQCRCQCNAAIHKK 200
 ||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 151 QAKVHHVKCHEFTATEFPQPTFCSVQHEFWGLNQGYQCRCQCNAAIHKK 200
 ||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 201 CIDKVIAKCTGSAINSRETMFHKERFKIDMPHRKFVNYKSPPTFCEHCGBT 250
 ||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 201 CIDKVIAKCTGSAINSRETMFHKERFKIDMPHRKFVNYKSPPTFCEHCGBT 250
 ||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 251 LIWGILARQGLKCDAGMNVHRCOTKVANLCGINQKLMAEALAMTESTQQ 300
 ||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 251 LIWGILARQGLKCDAGMNVHRCOTKVANLCGINQKLMAEALAMTESTQQ 300
 ||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Fig. 9

301	ARCLRDTEQFREGPVEIGLPCSTIKNEARPPCLPTPGKREPQGISWESPL	350	
301	ARCLRDTEQFREGPVEIGLPCSTIKNEARLPCLPTPGKREPQGISWESPL	350	
351	DEVDRMCHIPEELNKERPSLQIKLKIEDFLHKLGMGSFGKVFLAEFK	400	
351	DEVDRMCHIPEELNKERPSLQIKLKIEDFLHKLGMGSFGKVFLAEFK	400	
401	KTNQFFATKALKDDVLMDDDVCTMVEKRVLSLAWEHPFLTHMFCTFQT	450	
401	KTNQFFATKALKDDVLMDDDVCTMVEKRVLSLAWEHPFLTHMFCTFQT	450	
451	KENLFFFMEYLNGGDLMYHIQSCHKFDLSRATFYAAEILIGLQFLHSRKI	500	
451	KENLFFFMEYLNGGDLMYHIQSCHKFDLSRATFYAAEILIGLQFLHSRKI	500	
501	YVRDLKLDNILLDKDGHIIKIADFGMCKENMLGDAKNTFCGTPDYTAPEI	550	
501	YVRDLKLDNILLDKDGHIIKIADFGMCKENMLGDAKNTFCGTPDYTAPEI	550	

Fig. 9 (Cont.)

551 LLGQKYNHSSVDWWWSFGVLLYEMLIGQSPFHKQDEEEELFHSIRMDNPFYPR 600
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
551 LLGQKYNHSSVDWWWSFGVLLYEMLIGQSPFHKQDEEEELFHSIRMDNPFYPR 600

601 WLEKEAKDILLVKV 613
||||| ||||| ||||| .
601 WLEKEAKDILLVKL 613

Fig. 9(Cont.)

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1 MPITMRMRPYLEMQINSNQIPLIWINKEEMIFQIPLWKHAAKHGWDINK 50
| | | | | | | | | | | | : | | | | | | | | | | | | | | | |
1 MPITMRMRPYLEMQINSNQIPLIWINKEEMILEIPWKHAAKHGWDINK 50
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
1 DACLFRSWAHTGRYKAGEKEPDPKTWKANFRCAMNSLPDIEEVVKDQRN 100
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
51 DACLFRSWAHTGRYKAGEKEPDPKTWKANFRCAMNSLPDIEEVVKDQRN 100
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
51 DACLFRSWAHTGRYKAGEKEPDPKTWKANFRCAMNSLPDIEEVVKDQRN 100
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
101 KGSSAVRVYRMLPPLTKNQKERKSRRDAKSRAKRKSCGDSSSPDTFSD 150
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
101 KGSSAVRVYRMLPPLTKNQKERKSRRDAKSRAKRKSCGDSSSPDTFSD 150
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
101 KGSSAVRVYRMLPPLTKNQKERKSRRDAKSRAKRKSCGDSSSPDTFSD 150
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
151 GLSSSSTLPPDDHSSYTVPGYMQDLIVEQALTPLSPCAVSTLPLDWHIPVE 200
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
151 GLSSSSTLPPDDHSSYTVPGYMQDLIVEQALTPLSPCAVSTLPLDWHIPVE 200
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
151 GLSSSSTLPPDDHSSYTVPGYMQDLIVEQALTPLSPCAVSTLPLDWHIPVE 200
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
201 VVPDSTSIDLNFQVSPMPSTSEATTDEEEGKLPEDIMKILQESEWQPTN 250
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
201 VVPDSTSIDLNFQVSPMPSTSEATTDEEEGKLPEDIMKILQESEWQPTN 250
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
201 VVPDSTSIDLNFQVSPMPSTSEATTDEEEGKLPEDIMKILQESEWQPTN 250
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
251 VDGKGYLINNEPGVQPTSVYGDFFSKCKEEPEIDSPGG 285
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
251 VDGKGYLINNEPGVQPTSVYGDFFSKCKEEPEIDSPGG 285
| | | | | | | | | | | | | | | | | | | | | | | | | | | |

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Fig. 10

1 MWSWRCLLFWAVLVTTATLCTARPSPTLPEQAQPWGAPVEVESFLVHPGDL 50
 ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 1 MWSWKCLLFWAVLVTTATLCTARPSPTLPEQAQPWGAPVEVESFLVHPGDL 50
 ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 51 LQLRCRLRDDVQSINWLRDGQVLAESNRTRITGEEVQDSVPADSGLYA 100
 ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 51 LQLRCRLRDDVQSINWLRDGQVLAESNRTRITGEEVQDSVPADSGLYA 100
 ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 101 CYTSSPSSGSDTTYSVNVSDALPSSSEDDDDSSSEEKETDNTKPNRMP 150
 ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 101 CYTSSPSSGSDTTYSVNVSDALPSSSEDDDDSSSEEKETDNTKPNRMP 150
 ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 151 VAPIWTSPEKMEKKLHAVPAAKTVKFCPSGGTPNPTLRLWLNGKEFKPD 200
 ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 151 VAPIWTSPEKMEKKLHAVPAAKTVKFCPSGGTPNPTLRLWLNGKEFKPD 200
 ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 201 HRIGGYKVRYATWSIIMDSVVPSDKGNYTCIVNEYGSINHTYQLDVVER 250
 ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 201 HRIGGYKVRYATWSIIMDSVVPSDKGNYTCIVNEYGSINHTYQLDVVER 250
 ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 251 SPHRPILQAGLPANKTVALGSNVEFMCKVYSDPQPHIQWLKHIEVNGSKI 300
 ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 251 SPHRPILQAGLPANKTVALGSNVEFMCKVYSDPQPHIQWLKHIEVNGSKI 300
 ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Fig. 11

301	GPDNLPYVQILKTAGVNNTDKEMEVHLRNVSEDAEYTCLAGNSIGLS	350
301	GPDNLPYVQILKTAGVNNTDKEMEVHLRNVSEDAEYTCLAGNSIGLS	350
351	HHSAWLTYLEAERPAVMTSPLYLEIICTGAFILISCMVGSVIVYKMK	400
351	HHSAWLTYLEAERPAVMTSPLYLEIICTGAFILISCMVGSVIVYKMK	400
401	SGTKKSDFHSQMAVHKLAKSIPLRRQVTVSADSSASMNSGVLLVRPSRLS	450
401	SGTKKSDFHSQMAVHKLAKSIPLRRQVTVSADSSASMNSGVLLVRPSRLS	450
451	SSGTPMIALGVSEYELPEDPRWELLPRDRVLGKELGEGCCFGQVVLAFAIGL	500
451	SSGTPMIALGVSEYELPEDPRWELLPRDRVLGKELGEGCCFGQVVLAFAIGL	500
501	DKDKNPVRVTKVAVKMLKSDATEKDLSLISEMEMMMKMTGKHKNITNLGA	550
501	DKDKNPVRVTKVAVKMLKSDATEKDLSLISEMEMMMKMTGKHKNITNLGA	550

Fig. 11 (Cont.)

551 CTQDGPLVIVYEASKGNLREYLQARRPPGLEYCYNPSHNPPEQLSSKDL 600
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
551 CTQDGPLVIVYEASKGNLREYLQARRPPGLEYCYNPSHNPPEQLSSKDL 600
601 VSCAYQVARGMEYLASKKCTHRDLAARNVLVTEDNVMKIADEGLARDIHH 650
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
601 VSCAYQVARGMEYLASKKCTHRDLAARNVLVTEDNVMKIADEGLARDIHH 650
651 IDYYKKTTNGRLPVKMAPEALFDRIYTHQSDVWSEGV 688
||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
651 IDYYKKTTNGRLPVKMAPEALFDRIYTHQSDVWSEGV 688

Fig. 11(Cont.)

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2	PKRGGKGA VAEDGDEL RTPEAKSKTAA KKNDKEAAGE GPALYEDPPDQ	51
1	PKRGKGAVAE DGDELRTPEAK SKTAAKKNDKE AAGEGPALYED PPDQ	50
101	KTPSPGK PATLKI CSWNVDGL RAWI KKGLDW VKEEADP DLCLQ ETKCSE	101
102	NKLPAELQ ELPGLSH QWMSAPS DREGYS GVGLSR QCPLRV SYGI	146
103	NKLPAELQ ELPGLSH QWMSAPS DREGYS GVGLSR QCPLRV SYGIDEEH	150
104	NKLPAELQ ELPGLSH QWMSAPS DREGYS GVGLSR QCPLRV SYGIDEEH	150
105	NKLPAELQ ELPGLSH QWMSAPS DREGYS GVGLSR QCPLRV SYGIDEEH	150
106	NKLPAELQ ELPGLSH QWMSAPS DREGYS GVGLSR QCPLRV SYGIDEEH	150
107	NKLPAELQ ELPGLSH QWMSAPS DREGYS GVGLSR QCPLRV SYGIDEEH	150
108	NKLPAELQ ELPGLSH QWMSAPS DREGYS GVGLSR QCPLRV SYGIDEEH	150
109	NKLPAELQ ELPGLSH QWMSAPS DREGYS GVGLSR QCPLRV SYGIDEEH	150
110	NKLPAELQ ELPGLSH QWMSAPS DREGYS GVGLSR QCPLRV SYGIDEEH	150
111	NKLPAELQ ELPGLSH QWMSAPS DREGYS GVGLSR QCPLRV SYGIDEEH	150
112	NKLPAELQ ELPGLSH QWMSAPS DREGYS GVGLSR QCPLRV SYGIDEEH	150
113	NKLPAELQ ELPGLSH QWMSAPS DREGYS GVGLSR QCPLRV SYGIDEEH	150
114	NKLPAELQ ELPGLSH QWMSAPS DREGYS GVGLSR QCPLRV SYGIDEEH	150
115	DQEGRVIV AEFD SFVLYTA VPNAGR GLVRLEY QRWDEAF RKFLKG GLAS	178
116	A YV PN AG RGL V L R E Y Q R W D E A F R K F L K G L A S	178
117	A Y V P N A G R G L V R L E Y Q R W D E A F R K F L K G L A S	200
118	A Y V P N A G R G L V R L E Y Q R W D E A F R K F L K G L A S	200
119	RKPLVL CGDLNV AHEEID LNRNP GNKKN AGETP QERQGF GELLO QAVPLAD	228
120	RKPLVL CGDLNV AHEEID LNRNP GNKKN AGETP QERQGF GELLO QAVPLAD	250

Fig. 12

229 SFRHLYPNTPYAYTFWTTMMNARSKNVGWRLDYFLLSHSLLPALCDSKIR 278
||||| ||||| ||||| ||||| ||||| ||||| |||||
251 SFRHLYPNTPYAYTFWTTMMNARSKNVGWRLDYFLLSHSLLPALCDSKIR 300
||||| ||||| ||||| ||||| ||||| |||||
279 SKALGSDHCPITLYAL 295
||||| ||||| ||||| |||||
301 SKALGSDHCPITLYAL 317

Fig. 12(Cont.)

2	PKRGKKGAVAEDGDELRTGKGMSALLPRNCGGGVCHSLDVRPEAKKSK	51
1	PKRGKKGAVAEDGDELRT	26
52	TAAKKNDKEAAGEGPALYEDPPDQKTSPSGKPATLKCISWNVDGLRAWIK	101
27	TAAKKNDKEAAGEGPALYEDPPDQKTSPSGKPATLKCISWNVDGLRAWIK	76
102	KKGLDWVKEEAPDILCLOETKCSENKLPAELQELPGLSHQIWSAPSDEKG	151
77	KKGLDWVKEEAPDILCLOETKCSENKLPAELQELPGLSHQIWSAPSDEKG	126
152	YSGVGILLSRQCPLKVSYGIGDDEEHDQEGRVIVAEFDSFVLVTAYVPNAGR	201
127	YSGVGILLSRQCPLKVSYGIGDDEEHDQEGRVIVAEFDSFVLVTAYVPNAGR	176
202	GLVRLYRQRWDEAFRKFLKGGLASRKPLVLCGDLNVAAHEEIDLNPKGNK	251
177	GLVRLYRQRWDEAFRKFLKGGLASRKPLVLCGDLNVAAHEEIDLNPKGNK	226

Fig. 13

252 KNAGFTPOERQFFGELLQAVPLADSFRHLYPNTPYAYTFWTYMMNARSKN 301
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
227 KNAGFTPOERQFFGELLQAVPLADSFRHLYPNTPYAYTFWTYMMNARSKN 276
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
302 VGWRLDYFLLSHSLLPALCDSKIRSKALGSDHCPITLYLAL 342
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
277 VGWRLDYFLLSHSLLPALCDSKIRSKALGSDHCPITLYLAL 317

Fig. 13(Cont.)

1 MEQAAERPOQEWAMEGPRDGLKKERLIDDRHSDGLDSMKDEEYEQMVKEHQ 50
 |||||||
 1 MTQAAERPOQEWAMEGPRDGLKKERLIDDRHSDGLDSMKDEEYEQMVKEHQ 50
 1 EIRLEPQEVRGSEPWKQQLTEDGDSFLHLAIHEEKALTMEVIRQVKGD 100
 |||||||
 51 EIRLEPQEVRGSEPWKQQLTEDGDSFLHLAIHEEKALTMEVIRQVKGD 100
 101 LAFLNFQNLQQTPLHLAVITNQPEIAEALLGAGCDPEILRDFRGNTPLHL 150
 |||||||
 51 LAFLNFQNLQQTPLHLAVITNQPEIAEALLGAGCDPEILRDFRGNTPLHL 150
 101 LAFLNFQNLQQTPLHLAVITNQPEIAEALLGAGCDPEILRDFRGNTPLHL 150
 151 ACEQQGCLASVGVLTQSCTTPHLHSILKATNYNGHTCLHLASTHGYLGIVE 200
 |||||||
 151 ACEQQGCLASVGVLTQSCTTPHLHSILKATNYNGHTCLHLASTHGYLGIVE 200
 201 LLVSLGADVNAQEPCNGRTALHIAVDLQNPDIVSLLKCGADVNRTVYQG 250
 |||||||
 201 LLVSLGADVNAQEPCNGRTALHIAVDLQNPDIVSLLKCGADVNRTVYQG 250
 201 LLVSLGADVNAQEPCNGRTALHIAVDLQNPDIVSLLKCGADVNRTVYQG 250

Fig. 14

251 YSPYQLTWRGPSTRQQQLGQTLLENLQMLPESEDEESEYDTESEFETE 300
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
251 YSPYQLTWRGPSTRQQQLGQTLLENLQMLPESEDEESEYDTESEFETE 300

301 DEV 303
| |.
301 DEL 303

Fig. 14 (Cont.)

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1	MEQAAERPOEWAMEGPRDGLKKERLIDDRHDSGMKDEEYEQMVKELQ	50
1	MTQAAERPOEWAMEGPRDGLKKERLIDDRHDSGMKDEEYEQMVKELQ	100
51	EIRLEPQEVRPGSEPWKKQQLITEDGDSFLHIAIHEEKALTMEVIRQVKGD	100
51	EIRLEPQEVRPGSEPWKKQQLITEDGDSFLHIAIHEEKALTMEVIRQVKGD	150
101	LAFLNQNQLQQTPHLAVITNQPEIAEALLGAGCDPELDRFRGNTPLHL	150
101	LAFLNQNQLQQTPHLAVITNQPEIAEALLGAGCDPELDRFRGNTPLHL	183
151	ACEQGCLASVGVLTSCTTPHLHSILKATNYNGTCLHLIASHTGYLLGIVE	200
151	ACEQGCLASVGVLTSCTTPHLHSILKATNYNGTCLHLIASHTGYLLGIVE	222
184	QEPCGNRTALHLAVDLQNPDIVSLLKGADVNVRTYQG	250
201	LIVSLGADVNAQEPGNRTALHLAVDLQNPDIVSLLKGADVNVRTYQG	250

Fig. 15

223 YSPYQLTWGRPSTRQQQLGQLTLENLQMPESEDEESYDTESEFTEFE 272
||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
251 YSPYQLTWGRPSTRQQQLGQLTLENLQMPESEDEESYDTESEFTEFE 300
||||| ||||| ||||| ||||| |||||
273 DELPYDDCVFGQRITI 289
||||| ||||| ||||| |||||
301 DELPYDDCVFGQRITI 317

Fig. 15 (Cont.)

1 MAGIFYFALFSCLFVICDAVTGSRVYPANEVTLLDSRSVQGELGWIASPL 50
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 1 MAGIFYFALFSCLFVICDAVTGSRVYPANEVTLLDSRSVQGELGWIASPL 50

 51 EGGWEEVSIMDEKNTPIRTYQVCNVMEPSQNWNWLRTDWITREGAQRVYIE 100
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 51 EGGWEEVSIMDEKNTPIRTYQVCNVMEPSQNWNWLRTDWITREGAQRVYIE 100

 101 IKFTLRCDCNSLPGMGTICKETFLYYYESDNDKRFIRENQFVKIDTIAA 150
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 101 IKFTLRCDCNSLPGMGTICKETFLYYYESDNDKRFIRENQFVKIDTIAA 150

 151 DESFTQVDIGDRIMKLINTEIRDVGELSKKGFYIAFQDVGACIALVSVRF 200
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 151 DESFTQVDIGDRIMKLINTEIRDVGELSKKGFYIAFQDVGACIALVSVRF 200

 201 YKKCPLTVRNLAQFPDTITGADTSSLVEVRGSCVNSEEKDVPKMYCGAD 250
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 201 YKKCPLTVRNLAQFPDTITGADTSSLVEVRGSCVNSEEKDVPKMYCGAD 250

 251 GEWLVPIGNCLCNAGHEERSGECAQCKIYYKALSTDATCAKCPPHSYSV 300
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 251 GEWLVPIGNCLCNAGHEERSGECAQCKIYYKALSTDATCAKCPPHSYSV 300

Fig. 16

301 WEGATSCDRGFFRADNDAASMPCTRPPSAPLNLISNVNETSVNLEWSS 350
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 301 WEGATSCDRGFFRADNDAASMPCTRPPSAPLNLISNVNETSVNLEWSS 350
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 351 PONTGGGRQDISYNVVKCKCGAGDPSKCRPGSGVHYTPQONGLKTTKVSI 400
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 351 PONTGGGRQDISYNVVKCKCGAGDPSKCRPGSGVHYTPQONGLKTTKVSI 400
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 401 TDLLAHTNTYTFIWANGVSKYNPDQSUSVTVTNNQAAPSSTIALVQAK 450
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 401 TDLLAHTNTYTFIWANGVSKYNPDQSUSVTVTNNQAAPSSTIALVQAK 450
 ||||| ||||| ||||| ||||| ||||| ||||| |||||
 451 EVTRYSVVALAWLEPDRPNGVILLEYEVKYYEKDQNERSYRIVRTAARNTDI 500
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 451 EVTRYSVVALAWLEPDRPNGVILLEYEVKYYEKDQNERSYRIVRTAARNTDI 500
 ||||| ||||| ||||| ||||| ||||| ||||| |||||
 501 KGLNPLTSYVFHVRARTAAGYGDFSEPLEVTNTVPSRIIGDGANSTVLL 550
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 501 KGLNPLTSYVFHVRARTAAGYGDFSEPLEVTNTVPSRIIGDGANSTVLL 550
 ||||| ||||| ||||| ||||| ||||| ||||| |||||
 551 VSVSGSVVLVILLIAAFVISRRSKYSAKQEADEEKKHINQGVRTYVDPF 600
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 551 VSVSGSVVLVILLIAAFVISRRSKYSAKQEADEEKKHINQGVRTYVDPF 600

Fig. 16 (Cont.)

601	TYEDPNQAVREFAKEI-DASCIKIEKVIGVGEFGEVCSGRLKVPGKREICV	650
601	TYEDPNQAVREFAKEI-DASCIKIEKVIGVGEFGEVCSGRLKVPGKREICV	650
651	AIKTLKAGYTDQRDFLSEASIMQFDHPNIILEGVVTKCKPVMIITE	700
651	AIKTLKAGYTDQRDFLSEASIMQFDHPNIILEGVVTKCKPVMIITE	700
701	YMENGSLDAFLRKNDGRFTVIQLVGMLRGIGSMKYLSDMSYVHRDLAAR	750
701	YMENGSLDAFLRKNDGRFTVIQLVGMLRGIGSMKYLSDMSYVHRDLAAR	750
751	NLVNSNLVCKVSDFGMSRVLEDPEAAYTTRGGKIPIRWTAPEATAYRK	800
751	NLVNSNLVCKVSDFGMSRVLEDPEAAYTTRGGKIPIRWTAPEATAYRK	800
801	FTSASDWSYGYIVMWEVMSYGERPYWDMNSQD.....	832
801	FTSASDWSYGYIVMWEVMSYGERPYWDMNSQDVKAIEEGYRLPPMDCP	850
833PNT	835
851	TALHOLMILDCWOKERSDRPKFGQIVNMLDKLIRNPNSLERTGTTESSSRPNT	

Fig. 16 (Cont.)

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Fig. 16 (cont.)

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Fig. 17

276 SLLDVQRVFSFESFEDCQSICLNKPTMSFKDYLQERSDEVEQGKPVIP 325
 ||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 301 SLLDVQRVPSFESFEDCQSICLNKPTMSFKDYLQERSDPPVEQGKPVIP 350
 ||||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 326 AAVLAGFTGSPIQLWQFLLELLSDKSCQSFI SWTGDGWEFKLADPDEVA 375
 ||||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 351 AAVLAGFTGSPIQLWQFLLELLSDKSCQSFI SWTGDGWEFKLADPDEVA 400
 ||||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 376 RRGWKRKNKPKMNYEKLSRGIRYYDDKNIIHKTSGKRYVYRFVCDLQNLL 425
 ||||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 401 RRGWKRKNKPKMNYEKLSRGIRYYDDKNIIHKTSGKRYVYRFVCDLQNLL 450
 ||||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 426 GFTPEELIHAII LGVQPDTED 444
 ||||||| ||||| ||||| ||||| |||||
 451 GFTPEELIHAII LGVQPDTED 469

Fig. 17 (Cont.)

1 MAGSAMSSKKFLVALAIFFFSAQVYIEANSWWSLGMNNPVQMSEVYIIGA 50
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 1 MAGSAMSSKKFLVALAIFFFSAQVYIEANSWWSLGMNNPVQMSEVYIIGA 50
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 51 QPLCSQLAGLSQLGQQKLLCHLYQDHMQYIGEGAKTGIKECQYQFRHRRWNC 100
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 51 QPLCSQLAGLSQLGQQKLLCHLYQDHMQYIGEGAKTGIKECQYQFRHRRWNC 100
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 101 STVDNTSVFGRVMQIGSRETAFTYAVSAAGVNMAMSACREGELSTCGCS 150
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 101 STVDNTSVFGRVMQIGSRETAFTYAVSAAGVNMAMSACREGELSTCGCS 150
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 151 RAARPDKDLPRDWLWGGCGDNIDYGTFRAKEFTDARERERIHAKGSYESAR 200
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 151 RAARPDKDLPRDWLWGGCGDNIDYGTFRAKEFTDARERERIHAKGSYESAR 200
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 201 ILMNLHNNEAGRRTVYNLADVACKHGVSGLSLKTCWLQLADERKVGDA 250
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 201 ILMNLHNNEAGRRTVYNLADVACKHGVSGLSLKTCWLQLADERKVGDA 250
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 251 LKEKYDT 257
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 251 LKEKYDS 257

Fig. 18

1 MALRRSMGRPGLPPLPPPRGLLILAESAAAGLKLMGAPVKLTIVSQGQ 50
 |||||||
 1 MALRRSMGRPGLPPLPPPRGLLILAESAAAGLKLMGAPVKLTIVSQGQ 50
 |||||||
 51 PVKLNCSEGGMEEPDQIOWVRKGAVVQNLQDLYIPVSEQHWTGFLSIKSVE 100
 |||||||
 51 PVKLNCSEGGMEEPDQIOWVRKGAVVQNLQDLYIPVSEQHWTGFLSIKSVE 100
 |||||||
 51 PVKLNCSEGGMEEPDQIOWVRKGAVVQNLQDLYIPVSEQHWTGFLSIKSVE 100
 |||||||
 101 RSDAGRYWCQVEDGGETEISQPVWLTVEGVPPFFTVEPKDLAVPPNAPFQL 150
 |||||||
 101 RSDAGRYWCQVEDGGETEISQPVWLTVEGVPPFFTVEPKDLAVPPNAPFQL 150
 |||||||
 101 RSDAGRYWCQVEDGGETEISQPVWLTVEGVPPFFTVEPKDLAVPPNAPFQL 150
 |||||||
 151 SCEAVGPPEPVITVWWRGTTKIGGPAPSNSVLNVTVGTQSTMFSCEAHNL 200
 |||||||
 151 SCEAVGPPEPVITVWWRGTTKIGGPAPSNSVLNVTVGTQSTMFSCEAHNL 200
 |||||||
 151 SCEAVGPPEPVITVWWRGTTKIGGPAPSNSVLNVTVGTQSTMFSCEAHNL 200
 |||||||
 201 KGLOSSRTATVHLQALPAAPFNITVTKLSSSNASVAWMPGADGRALLQSC 250
 |||||||
 201 KGLOSSRTATVHLQALPAAPFNITVTKLSSSNASVAWMPGADGRALLQSC 250
 |||||||
 201 KGLOSSRTATVHLQALPAAPFNITVTKLSSSNASVAWMPGADGRALLQSC 250
 |||||||
 251 TVQVTQAPGGWEVLAVVVPPFPFTCLLRDLVPATNYSLSRVRCANALGPSP 300
 |||||||
 251 TVQVTQAPGGWEVLAVVVPPFPFTCLLRDLVPATNYSLSRVRCANALGPSP 300
 |||||||

Fig. 19

301 YADWVPFQTKGLAPASAPQNLLHAIRTDGLLIEWEVIEPEAPPLEGPLGY 350
 ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 301 YADWVPFQTKGLAPASAPQNLLHAIRTDGLLIEWEVIEPEAPPLEGPLGY 350
 ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 301 YADWVPFQTKGLAPASAPQNLLHAIRTDGLLIEWEVIEPEAPPLEGPLGY 350
 ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 351 KLSWVQDNGTQDELTVEGTRANLTGWDHQDLSRVLVRCVSNAVGCGPWSQP 400
 ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 351 KLSWVQDNGTQDELTVEGTRANLTGWDHQDLSRVLVRCVSNAVGCGPWSQP 400
 ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 401 LVVSSSHDRAGQQGPSPHSRTSWVPVVLGVLTALVTAALALILLRKRRKET 450
 ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 401 LVVSSSHDRAGQQGPSPHSRTSWVPVVLGVLTALVTAALALILLRKRRKET 450
 ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 451 RFGQAFDSVMARGEPAVHFAAARSFRERPERIEATLDLSLGIISDELKEKL 500
 ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 451 RFGQAFDSVMARGEPAVHFAAARSFRERPERIEATLDLSLGIISDELKEKL 500
 ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 501 EDVLIPEQQFTLGRMLGKGEFGSvreAQQLKEDGSFVKAVALKADIIA 550
 ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 501 EDVLIPEQQFTLGRMLGKGEFGSvreAQQLKEDGSFVKAVALKADIIA 550
 ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 551 SSDIEEEFLREAAACMKEDDHPHVAKLVGVSLRSRAKGRLP1PMVILPFMKH 600
 ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 551 SSDIEEEFLREAAACMKEDDHPHVAKLVGVSLRSRAKGRLP1PMVILPFMKH 600

Fig. 19 (Cont.)

601 GDLHAFILLASRIGENPNLPLQTLIRFMVDIACGMEYLSSRNFIHRDLAA 650
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
601 GDLHAFILLASRIGENPNLPLQTLIRFMVDIACGMEYLSSRNFIHRDLAA 650

651 RNCMIAEDMTVCAVADFGLSRKIYSDCRY 678
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
651 RNCMIAEDMTVCAVADFGLSRKIYSGDYY 678

Fig. 19 (Cont.)

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1	MCRIGALRTLLPLLLAIIQASVEASGEIACRCKGFPEDVYSAVLSDVH	50
1	MCRIGALRTLLPLLLAIIQASVEASGEIACRCKGFPEDVYSAVLSDVH	100
51	EGQPLINVKFSNCNGKRKVYESSEPADEFKVDDEGMVYAVRSFPLSSEHA	100
51	EGQPLINVKFSNCNGKRKVYESSEPADEFKVDDEGMVYAVRSFPLSSEHA	150
101	KFLIYAQDKETQEKWQAVKLSQLKPTLTEESVKESAEEEVIVFPROFSKH	150
101	KFLIYAQDKETQEKWQAVKLSQLKPTLTEESVKESAEEEVIVFPROFSKH	200
151	SGHLQRQRDWWIPPINLPENSRGFPQELVRIRSDRDKNLSLRYSVTGP	200
151	SGHLQRQRDWWIPPINLPENSRGFPQELVRIRSDRDKNLSLRYSVTGP	250
201	GADQPPTGIFINPISGQLSVTKPLDREQIAFRHLRAHAVDINGQVN	250
201	GADQPPTGIFINPISGQLSVTKPLDREQIAFRHLRAHAVDINGQVN	300
251	IDIVINVIDMNDNRPEFLHQWVNGTVPEGSKPGTYVMTVTAIDDPNAL	300
251	IDIVINVIDMNDNRPEFLHQWVNGTVPEGSKPGTYVMTVTAIDDPNAL	300

Fig. 20

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301	NGMLRYRIVSQAPSTPSPNMFTTINNETGDIITVAAGLDREKVQQYTLIQ	350
301	NGMLRYRIVSQAPSTPSPNMFTTINNETGDIITVAAGLDREKVQQYTLIQ	350
351	ATDMEGNPTYGLSNTATAVITVTVDNDNPPEFTAMTFYGEVPENRVDIIV	400
351	ATDMEGNPTYGLSNTATAVITVTVDNDNPPEFTAMTFYGEVPENRVDIIV	400
401	ANLTVTDKDQPHTPPAWNavyRISGGDPTGRFAIQTDPNNSNDGLVTVVKPI	450
401	ANLTVTDKDQPHTPPAWNavyRISGGDPTGRFAIQTDPNNSNDGLVTVVKPI	450
451	DFETNRMFVLTVAANQVPLAKGIQHPPQSTATVSVTVIDVNENPYFAPN	500
451	DFETNRMFVLTVAANQVPLAKGIQHPPQSTATVSVTVIDVNENPYFAPN	500
501	PKIIHQEEGLHAGTMLLTTAQPDRYMQQNIRYTKLSDPANWLKIDDPVN	550
501	PKIIHQEEGLHAGTMLLTTAQPDRYMQQNIRYTKLSDPANWLKIDDPVN	550
551	GOITTIAVLDRESPNVKNNTYNATFLASDNGIPPMMSGTGTQLQIYLIDIND	600
551	GOITTIAVLDRESPNVKNNTYNATFLASDNGIPPMMSGTGTQLQIYLIDIND	600

Fig. 20 (Cont.)

601	NAQQLPQEAETCETDPNSINTALDYDIPNAGPFADPLSPVTIKR	650
601	NAQQLPQEAETCETDPNSINTALDYDIPNAGPFADPLSPVTIKR	650
651	NWTITRLNGDFQLNLKIKFLEAGIYEPIITDSGNPPKSNSILRVKV	700
651	NWTITRLNGDFQLNLKIKFLEAGIYEPIITDSGNPPKSNSILRVKV	700
701	CQCDNSNGCTDVDRIVGAGLGTGAIATIILCLIIILVLMFVVWMKRRD	750
701	CQCDNSNGCTDVDRIVGAGLGTGAIATIILCLIIILVLMFVVWMKRRD	750
751	KEROAKQLLIDPEDDVRDNILKYDEEGGGEDDQDYDLSQLQQPDTVEPDA	800
751	KEROAKQLLIDPEDDVRDNILKYDEEGGGEDDQDYDLSQLQQPDTVEPDA	800
801	TKPGTIRRMDERPTIAEPQYPVRSAAAPHGDIGDFINE	838
801	TKPGTIRRMDERPTIAEPQYPVRSAAAPHGDIGDFINE	838

Fig. 20 (Cont.)

1 MERVKMINQRLLEAAEFLERRERECEHGYASSFTPSMPSPLQHSKPPRR 50
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
1 MERVKMINQRLLEAAEFLERRERECEHGYASSFTPSMPSPLQHSKPPRR 50
1
51 LSRAQKHSSGGSSNTSTANRSTHNELEKNR 79
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
51 LSRAQKHSSGGTSNTSTANRSTHNELEKNR 79

Fig. 21

11 NVQILLEAASYLEQIEKENKKCEHGYASSEFSPMSPSPRLQHSKPPRRLSRA 60
||| ||||| :|| . | :| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
8 NVQRILLEAAEFLERRERE . . CEHGYASSEFSPMSPSPRLQHSKPPRRLSRA 54
61 QKHSSGGSSNTSTANRSTHNELEKRNRAHLRLCLERLKVLIPLGPDCTRHT 110
||| ||||| . ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
55 QKHSSGTSSNTSTANRSTHNELEKRNRAHLRLCLERLKVLIPLGPDCTRHT 104
111 TLGLLINKAKAHIKKLEAERKSQHQLLENLERQFLKWRILEQLQGPQEME 160
||| ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
105 TLGLLINKAKAHIKKLEAERKSQHQLLENLERQFLKWRILEQLQGPQEME 154
161 RIRMDSIGTSSDRSDSEREETEVYESTEEFSGEVDNISTTSISIDDD 210
||| ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
155 RIRMDSIGTSSDRSDSEREETEVYESTEEFSGEVDNISTTSISIDDD 204
211 HSSLPSTGSDEGYSSASVVLSETFS 234
||| ||||| ||| ||| ||| ||| ||| |||
205 HSSLPSTGSDEGYSSASVVLSETFS 228

Fig. 22

1 MESPASSQASMPQS KGSKRKKDLRISCMSKPAPNPTPPRNLDSRTEFI 50	1 MESPASSQASMPQS KGSKRKKDLRISCMSKPAPNPTPPRNLDSRTEFI 50
51 TIGDRNFEVADDLVTISELGRGAYGVVEKVRHAQS GTIMAVKRIRATVN 100	51 TIGDRNFEVADDLVTISELGRGAYGVVEKVRHAQS GTIMAVKRIRATVN 100
101 SOEQKRLLIMLD DINMRRTVDCFYTYALFREGDVWICMELMDTSSLDKF 150	101 SOEQKRLLIMLD DINMRRTVDCFYTYALFREGDVWICMELMDTSSLDKF 150
151 YRKVLD DKNMTIPDILGEIAVSIVRALEHLHSKLSVIHRDVKPSNVLINK 200	151 YRKVLD DKNMTIPDILGEIAVSIVRALEHLHSKLSVIHRDVKPSNVLINK 200
201 EGHVRMCD DFGISGYLVDSVAKTMDAGCKPYMAPERINPELNQKGYNVKSD 250	201 EGHVRMCD DFGISGYLVDSVAKTMDAGCKPYMAPERINPELNQKGYNVKSD 250

Fig. 23

251 VWSL GITM ITEMATI LRFP YESW GTPF QQLK QVVE EPSP QL PADRF SPE FVD 300
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
251 VWSL GITM ITEMATI LRFP YESW GTPF QQLK QVVE EPSP QL PADRF SPE FVD 300
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
301 FTAQ CLR KRN PAER M SY LELI 320
||||| ||||| ||||| ||||| |||||
301 FTAQ CLR KRN PAER M SY LELM 320

Fig. 23(Cont.)

```

1 MPEIRLRHVVSCSSQDSTHCAENLLKADTYRKWRAAKAGEKTTISVVLQE 50
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
1 MPEIRLRHVVSCSSQDSTHCAENLLKADTYRKWRAAKAGEKTTISVVLQE 50

51 KEEQIHSVDIGNDGSAFVEVLGVGSSAGGAEQDYEVLLVTTSFMSPSES R 100
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
51 KEEQIHSVDIGNDGSAFVEVLGVGSSAGGAEQDYEVLLVTTSFMSPSES R 100

101 SGSNPNRVRMFGPDKLIVRAAAEKRWDVRKVIVCSQPSKDSPPGLSFRFH 150
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
101 SGSNPNRVRMFGPDKLIVRAAAEKRWDVRKVIVCSQPSKDSPPGLSFRFH 150

151 SPPDKDEEAAPSQKTVTKLGQFRVKKEEDESANSLRPGLALFFSRINKTSP 200
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
151 SPPDKDEEAAPSQKTVTKLGQFRVKKEEDESANSLRPGLALFFSRINKTSP 200

201 VTASDPAGPSYAAATLQASSAASSASPVSRAIGSTSXPQESP 242
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
201 VTASDPAGPSYAAATLQASSAASSASPVSRAIGSTSXPQESP 242

```

Fig. 24

Fig. 25

1 MPEIRLRHVVSCSSQDSTHCAENLLKADTYKWRRAKAGEKTI SVVLOE 50
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
1 MPEIRLRHVVSCSSQDSTHCAENLLKADTYKWRRAKAGEKTI SVVLOE 50

51 KEEQIHSVIDGNDGSAFVEVLVGSSAGGAEQDYEVLLVTSSFMSPSESR 100
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
51 KEEQIHSVIDGNDGSAFVEVLVGSSAGGAEQDYEVLLVTSSFMSPSESR 100

101 SGSNPNRVRMFGPDKLVRRAAEKWRDRVKIVCSQPYSKDSPFGLSFVRFH 150
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
101 SGSNPNRVRMFGPDKLVRRAAEKWRDRVKIVCSQPYSKDSPFGLSFVRFH 150

151 SPPDKDEAEAPSQKVTVTKLGQFRVKEEDESANSLRLEDYMSDRVQFV .. 198
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
151 SPPDKDEAEAPSQKVTVTKLGQFRVKEEDESANSLRPGALFFSRINKTSP 200

199 ITAQE . WDPSEEALMDNPLA 219
: | | : | | : | |
201 VASDPAGPSYAATLQASSAA 222

Fig. 26

1	MPEIRLRHVVSCSSQDSTHCAENLLKADTYRKWRAAKAGEKTIISVVLQE	50
51	KEEQIHSVDIGNDSAFVEVLVGSSAGGAEQDYEVLLVTSSFMSPSES R	100
51	KEEQIHSVDIGNDSAFVEVLVGSSAGGAEQDYEVLLVTSSFMSPSES R	100
101	SGSNPNRVRMFGPDKLVRRAAEKWRDRVKIVCSQPYSKDSPFGLSFVRFH	150
101	SGSNPNRVRMFGPDKLVRRAAEKWRDRVKIVCSQPYSKDSPFGLSFVRFH	150
151	SPPDKDEAEAPSQKVTVTKLQFRVKEEDESANSLRP GALFFSRRINKTSP	200
151	SPPDKDEAEAPSQKVTVTKLQFRVKEEDESANSLRP GALFFSRRINKTSP	200
201	VTASDPAGPSYAAATLQASSAASSASPVSRAIGSTS K PQESPKGERKLD L	250
201	VTASDPAGPSYAAATLQASSAASSASPVSRAIGSTS K PQESPKGERKLD L	250
251	NQEERKTPSKPPAQLSPSPVPKRPKL PAPTRTPATAQGAVTGKPR	300
251	NQEERKTPSKPPAQLSPSPVPKRPKL PAPTRTPATAQGAVTGKPR	300

301	GE GT EPRR P RAGE PEE L GKL I QGV VV VL SGF QNP E RSE L RD KALE LGAK YR	350
301		
351	P DWTR D STHL ICA F A N T P K Y S Q V L G L G G R I V R KEW V I L S G F Q N P E R S E L R D K A L E LGAK YR	350
351		
401	Y LMAGG PS S S E E D E A S H S G G S G D E A P K L P Q K O P Q T K T K P T O A G P S S P Q K	400
401		
451	P PT P E T K A A S P V I Q Q E D D I T E G Y Q S E G Q D N G A E D S G D T D E D L R R V A E Q K E	500
451		
501	H RL P P Q Q E E N G D P Y A G S T D E N T D S E E H Q E P P D L P V P E L P R T L P G Q	546
501		
	H RL P P Q Q E E N G D P Y A G S T D E N T D S E E H Q E P P D L P V P E L P D F F Q G K	546

Fig. 27(Cont.)

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Fig. 28

301	CIGNHDLFMRRKADSLEVQQMKAQAREEKARK.....	333
300	CIGNHDLFMRRKADSLEVQQMKAQAREEKARKMERQRЛАREKQMREEA	349
334QMKEEATMANEALMRSEETADLLAЕKAQITEEEAKLLA	371
350	ERTRDELERLQLMKEEATMANEALMRSEETADLLAЕKAQITEEEAKLLA	399
372	QKAEEAQEMQRIKATAIRTEEKRIMEQKVLEAEVLALKMAEESERRAK	421
400	QKAEEAQEMQRIKATAIRTEEKRIMEQKVLEAEVLALKMAEESERRAK	449
422	EADQLKQDQEAREAERAKQKLLEIATKPTYPMMNPITPAPLPPDIPSFN	471
450	EADQLKQDQEAREAERAKQKLLEIATKPTYPMMNPITPAPLPPDIPSFN	499
472	LIGDSLSDFFKDIDMKFLSMEITEKEKVEYMEKSKHLQEQLNELKTEIEAL	521
500	LIGDSLSDFFKDIDMKFLSMEITEKEKVEYMEKSKHLQEQLNELKTEIEAL	549
522	KLKRETALDILHNENSDRGGSSKHNTIKLTLQSAKSRVAFFEEL	567
550	KLKRETALDILHNENSDRGGSSKHNTIKLTLQSAKSRVAFFEEL	595

Fig. 28 (Cont.)

1 MRERFDRLHEKNCMTDLLAKLEAKTGVNRSFTIALGVIGLVAFYGLVALYLVFGYG 50
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
1 MRERFDRLHEKNCMTDLLAKLEAKTGVNRSFTIALGVIGLVAFYGLVALYLVFGYG 50
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
51 ASLLCNLIGFGYPAYISIKAIESPNKEDDTQWLTYWVYGVFSIAEFFSD 100
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
51 ASLLCNLIGFGYPAYISIKAIESPNKEDDTQWLTYWVYGVFSIAEFFSD 100
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
101 IFLSWFPFYMLK 113
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
101 IFLSWFPFYMLK 113

Fig. 29

1 MDLEGDRNGAKKKNNFKLNNKSEKDKKEKKPTVSVFSMFRYSNWLDKLY 50
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 1 MDLEGDRNGAKKKNNFKLNNKSEKDKKEKKPTVSVFSMFRYSNWLDKLY 50
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 51 MVVGTLLAATIHGAGLPLMMIVFEGMTDIFANAGNLIEDLMSNITNRSDIND 100
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 51 MVVGTLLAATIHGAGLPLMMIVFEGMTDIFANAGNLIEDLMSNITNRSDIND 100
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 101 TGFFMNLEEDMTRYAYYYSGIGAGVLVAAYIQSFWCLAAQROQHKTRQ 150
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 101 TGFFMNLEEDMTRYAYYYSGIGAGVLVAAYIQSFWCLAAQROQHKTRQ 150
 ||||| ||||| ||||| ||||| ||||| ||||| |||||
 151 FFHAIMRQEIGWFDVHDVGEINTRLDDVSKINEVIGDKGMFFQSMAFF 200
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 151 FFHAIMRQEIGWFDVHDVGEINTRLDDVSKINEVIGDKGMFFQSMAFF 200
 ||||| ||||| ||||| ||||| ||||| ||||| |||||
 201 FTGFIVGFTRGWKLTIVILAISPVLGLSAAVWAKILSSFTDKELLAYAKA 250
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 201 FTGFIVGFTRGWKLTIVILAISPVLGLSAAVWAKILSSFTDKELLAYAKA 250
 ||||| ||||| ||||| ||||| ||||| ||||| |||||
 251 GAVAEEVLAIAIRTVIAFGQQKKELERYKNKLEAKRIGIKKAITANISIG 300
 ||||| ||||| ||||| ||||| ||||| ||||| |||||
 251 GAVAEEVLAIAIRTVIAFGQQKKELERYKNKLEAKRIGIKKAITANISIG 300
 ||||| ||||| ||||| ||||| |||||

Fig. 30

301	AAFLITIYASYALAAFVWYGTTLVLSGEYSIGQVLTVFFSVLIGAFSVGQASP	350
301	AAFLITIYASYALAAFVWYGTTLVLSGEYSIGQVLTVFFSVLIGAFSVGQASP	350
351	SIEAFANARGAAAYEIFKIIDNKPISDYSKSGHKPDNTIKGNLEFRNVHFS	400
351	SIEAFANARGAAAYEIFKIIDNKPISDYSKSGHKPDNTIKGNLEFRNVHFS	400
401	YPSRKEVKILLKGLENLKVGSGQTVALGVNGSGCGKSTTVQLMORLYDPTEGM	450
401	YPSRKEVKILLKGLENLKVGSGQTVALGVNGSGCGKSTTVQLMORLYDPTEGM	450
451	VSVDGQDILRTINVRFLREIIIGVVSQEPVLFATTIAENIRYGRENVTMDEI	500
451	VSVDGQDILRTINVRFLREIIIGVVSQEPVLFATTIAENIRYGRENVTMDEI	500
501	EKAVKEANAYDEFMKLPHKFDTLVGERAQQLSGGQQKQRIAATARALVRNPK	550
501	EKAVKEANAYDEFMKLPHKFDTLVGERAQQLSGGQQKQRIAATARALVRNPK	550
551	ILLLDEATSAUDTESEAVVVOVALDKARKGRTTIVIAHRLSTVRNAVIAG	600
551	ILLLDEATSAUDTESEAVVVOVALDKARKGRTTIVIAHRLSTVRNAVIAG	600

Fig. 30 (Cont.)

601	FDDGVIVEKGHNHDELMKEKGTYFKLVLTMQTAGNEVELENADESKESEIDA	650
601		650
651	LEMSSNDSSRLSLIRKSTRRSVRGSSQADRKLSTKEALDESITPPVSFWRI	700
651		700
701	MKLNLTEWPYFVVGVFCATTNGGLOPAFAILIFSKLIGVFRIDDPETKRQ	750
701		750
751	NSNLFSLLFLALGIISFITFFLQGFTFGKAGEILTKLRYMFRSMLRQD	800
751		800
801	VSWFDDPKNTTGALTTRLANDAAQVKGAIGSRALVITQIANLGTGIIIS	850
801		850
851	FIYGWQLTLLLAIVPIIAIAGVVMKMLSGQALKDKKELEGAKIATEA	900
851		900

Fig. 30 (Cont.)

901 TENFRTVVSLTQEQQKEHMYAQSLQVPRNSLRFKAHIFGITFSFTQAMMY 950
|||||
901 TENFRTVVSLTQEQQKEHMYAQSLQVPRNSLRFKAHIFGITFSFTQAMMY 950

951 FSYAGCFRGAYLVAHKLMSFEDVLVFSAVFGAMAVGQVSSFAPDYAK 1000
|||||
951 FSYAGCFRGAYLVAHKLMSFEDVLVFSAVFGAMAVGQVSSFAPDYAK 1000

1001 AKISAHTIMIIEKTPLIDSYSTEMGLMPNTLEGNTFGEVFNYPTRPDI 1050
|||||
1001 AKISAHTIMIIEKTPLIDSYSTEMGLMPNTLEGNTFGEVFNYPTRPDI 1050

1051 PVLGQLSLEVKKGQTIALVGSSGGKSTVVQLLERFYDPLAGKVLLDGKE 1100
|||||
1051 PVLGQLSLEVKKGQTIALVGSSGGKSTVVQLLERFYDPLAGKVLLDGKE 1100

1101 IKRILNVQWLR AHLGIVSQEPILFDCSIAENIAYGDN SRVVSQEEIVRAAK 1150
|||||
1101 IKRILNVQWLR AHLGIVSQEPILFDCSIAENIAYGDN SRVVSQEEIVRAAK 1150

1151 EANIHAFIESLPNKYSTKVGDKGTQLSGGOKORIAARALVRQPHILLID 1200
|||||
1151 EANIHAFIESLPNKYSTKVGDKGTQLSGGOKORIAARALVRQPHILLID 1200

1201 EATSALDTSESEKVVQEAELDKAREGRTCIVIAHRLSTIONADLIVVFQNGR 1250
1201 EATSALDTSESEKVVQEAELDKAREGRTCIVIAHRLSTIONADLIVVFQNGR 1250

1251 VKEHGTHQOLLAQKGTYFMSMVSVOAGT 1277
1251 VKEHGTHQOLLAQKGTYFMSMVSVOAGT 1277

Fig. 30(Cont.)

1 MDLEGDRNGGAKKKNFFKLNNKSERDKKEKKPTVSVFSMFRYSNWLDKLY 50
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 1 MDLEGDRNGGAKKKNFFKLNNKSERDKKEKKPTVSVFSMFRYSNWLDKLY 50

 51 MVVGTLLAATIHAGLPLMMLVFGEMTDIFANAGNLDELMMSNITNRSND 100
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 51 MVVGTLLAATIHAGLPLMMLVFGEMTDIFANAGNLDELMMSNITNRSND 100

 101 TGFFMNILEDMDTRYAYYYSGIGAGVLVAAYIQSFWMCLAAGRQIHKIRKQ 150
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 101 TGFFMNILEDMDTRYAYYYSGIGAGVLVAAYIQSFWMCLAAGRQIHKIRKQ 150

 151 FFAIMRQEIGFWDFHDVGELNTRTDDVSKINEGIGDKIGMFQSMATF 200
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 151 FFAIMRQEIGFWDFHDVGELNTRTDDVSKINEVIGDKIGMFQSMATF 200

 201 FTGFIVGFTTRGMWKLTLVILAISPVLGLSAAVWAKILSSFTDKELELLAYAKA 250
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 201 FTGFIVGFTTRGMWKLTLVILAISPVLGLSAAVWAKILSSFTDKELELLAYAKA 250

 251 GAVAEEVLAIAIRTVIAFGQQKKELELYNKNLAEAKRIGIKAITANISIG 300
 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 251 GAVAEEVLAIAIRTVIAFGQQKKELELYNKNLAEAKRIGIKAITANISIG 300

Fig. 31

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301	AAFLIYASYALAFWYGTTLVLSGEYSIGQVLTVFFSVLIGAFSVGQASP	350
301	AAFLIYASYALAFWYGTTLVLSGEYSIGQVLTVFFSVLIGAFSVGQASP	350
351	SIEAFANZARGAAYEIFKILIDNKPIDSYSKSCHKPDNIKGNLEFRNVHFS	400
351	SIEAFANZARGAAYEIFKILIDNKPIDSYSKSCHKPDNIKGNLEFRNVHFS	400
401	YPSRKEVILKGLNLKVQSGQTVALGVNSGCGKSTTVQIMQRLYDPTEGM	450
401	YPSRKEVILKGLNLKVQSGQTVALGVNSGCGKSTTVQIMQRLYDPTEGM	450
451	VSVDGQDIRTINVRFLREIIIGVVSQEPVLFAATTIAENIRYGRNVTMDEI	500
451	VSVDGQDIRTINVRFLREIIIGVVSQEPVLFAATTIAENIRYGRNVTMDEI	500
501	EKAVKEANAYDFIMKLPHKFDTLVGERGAQISGGOKRITATARALVRNPK	550
501	EKAVKEANAYDFIMKLPHKFDTLVGERGAQISGGOKRITATARALVRNPK	550
551	ILLIDEATSALDTESEAEVQAALDKVSR	578
	;	
551	ILLIDEATSALDTESEAEVVAOLDKARK	578

Fig. 31(Cont.)

1 MRSKRDNNFYSVEIGDSTETVLKRYQNLPIGSGAQGIVCAAYDAILER 50
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
1 MRSKRDNNFYSVEIGDSTETVLKRYQNLPIGSGAQGIVCAAYDAILER 50

51 NVAIKKLISRPFQONTHAKRAYRELVLRCVNHRNITIIGLINVFTPQKSLEE 100
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
51 NVAIKKLISRPFQONTHAKRAYRELVLRCVNHRNITIIGLINVFTPQKSLEE 100

101 FQDVYIVMELMDANLCQVIQMELDHERMSYLQMLCGIKHLHSAGITHR 150
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
101 FQDVYIVMELMDANLCQVIQMELDHERMSYLQMLCGIKHLHSAGITHR 150

151 DLKPSNIVVKSDCTLKILDGLARTAGTSFMMTPYVVTRYRAPEVILGM 200
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
151 DLKPSNIVVKSDCTLKILDGLARTAGTSFMMTPYVVTRYRAPEVILGM 200

201 GYKENTE 207
| | | | | :
201 GYKENVD 207

Fig. 32

1 MRSKRDNNFYSVEIGDSTFTVLKRYQNLPIGSGAQGIVCAAYDAILER 50
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
1 MRSKRDNNFYSVEIGDSTFTVLKRYQNLPIGSGAQGIVCAAYDAILER 50
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
51 NVAIKKLRLSRPFQNQTHAKRAYRELVLMKCVNHNKRNIIGLINVETPQKSLEE 100
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
51 NVAIKKLRLSRPFQNQTHAKRAYRELVLMKCVNHNKRNIIGLINVETPQKSLEE 100
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
101 FQDVYIVMELMDANLQVIQMELDHERRMSYLQMLCGIKHLHSAGITHR 150
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
101 FQDVYIVMELMDANLQVIQMELDHERRMSYLQMLCGIKHLHSAGITHR 150
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
151 DLKPSNIVVKSDCTLKILDGLARTAGTSFMMTPYVVTRYYRAPEVILGM 200
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
151 DLKPSNIVVKSDCTLKILDGLARTAGTSFMMTPYVVTRYYRAPEVILGM 200
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
201 GYKENVDLWSVGCIMGEMVCHKILLPGRDYIDQWNKVTEQLGTPCPEFFMK 250
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
201 GYKENVDLWSVGCIMGEMVCHKILLPGRDYIDQWNKVTEQLGTPCPEFFMK 250
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
251 KLQOPTVRRTYVENRPKYAGYSEFEKLFDPDVLFPADSEHNKLKASQ 293
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
251 KLQOPTVRRTYVENRPKYAGYSEFEKLFDPDVLFPADSEHNKLKASQ 293
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Fig. 33

1 M SRSKRDNFFYSVEIGDSTFTVLKRYQNLPIGSGAQGIVCAAYDAILER 50
 |||||||
 1 M SRSKRDNFFYSVEIGDSTFTVLKRYQNLPIGSGAQGIVCAAYDAILER 50
 |||||||

51 NVAIKKLSRPFQNQTHAKRAYRELVLMKCVNHKNITGLNVTPQKSLEE 100
 |||||||
 51 NVAIKKLSRPFQNQTHAKRAYRELVLMKCVNHKNITGLNVTPQKSLEE 100
 |||||||

101 FQDVYIVMELMDANLQCQVIQMLELDHERMSYLLQMLCGIKHLHSAGIIR 150
 |||||||
 101 FQDVYIVMELMDANLQCQVIQMLELDHERMSYLLQMLCGIKHLHSAGIIR 150
 |||||||

151 DLKPSNIVVKSDCTLKILDGLARTAGTSFMMTPYVVTRYRAPEVILGM 200
 |||||||
 151 DLKPSNIVVKSDCTLKILDGLARTAGTSFMMTPYVVTRYRAPEVILGM 200
 |||||||

201 GYKENVDLWSVGCIMGEMVCHKILFPGRDYIDQWNKVIEQLGTGTPCPEFMK 250
 |||||||
 201 GYKENVDLWSVGCIMGEMVCHKILFPGRDYIDQWNKVIEQLGTGTPCPEFMK 250

Fig. 34

251 KLQPTVRTYENRPKYAGYSFEKLFPADSEHNKLKAQARDLISK 300
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
251 KLQPTVRTYENRPKYAGYSFEKLFPADSEHNKLKAQARDLISK 300

301 MLVIDASKRISVDEALQHPYTINVWYDPSEAEARSCKL 337
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
301 MLVIDASKRISVDEALQHPYTINVWYDPSEAEAPPKI 337

Fig. 34(Cont.)

Fig. 35

Fig. 36

251 LLWGLARQGLKCDAGMNVHRCQTKVANLCGINQKLMAEALAMTESTQQ 300
 ||||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 251 LLWGLARQGLKCDAGMNVHRCQTKVANLCGINQKLMAEALAMTESTQQ 300
 ||||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

 301 ARCLRDTEQI FREGPVEIGLPCSIKNEARPPCLPTPGKREPQGISWESPL 350
 ||||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 301 ARCLRDTEQI FREGPVEIGLPCSIKNEARPLCLPTPGKREPQGISWESPL 350
 ||||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

 351 DEVDKMCHLPEPELNKERPSLQIKLIKIEDFILHKMLGKGSEGRVFLAEFK 400
 ||||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 351 DEVDKMCHLPEPELNKERPSLQIKLIKIEDFILHKMLGKGSEGRVFLAEFK 400
 ||||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

 401 KTNQFFAIKALKKKDVVLMDDVECTMVEKRVLSLAWEHPFLTMFCTFQT 450
 ||||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 401 KTNQFFAIKALKKKDVVLMDDVECTMVEKRVLSLAWEHPFLTMFCTFQT 450
 ||||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

 451 KENLFFVMEYLNGDILMYHIQSCHKEFDLSRATTYAAETILGLQFLHSKGI 500
 ||||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 451 KENLFFVMEYLNGDILMYHIQSCHKEFDLSRATTYAAETILGLQFLHSKGI 500
 ||||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Fig. 36 (Cont.)

501 VYRDLKLDNILLDRDGHIKIADEGMCKENMLGDAKTNFCGTPDYAPIEI 550
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
501 VYRDLKLDNILLDRDGHIKIADEGMCKENMLGDAKTNFCGTPDYAPIEI 550
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
551 LLGQKYNHSSVDWWSFGVLLYEMLIGQSPFHHGQDEEEFLHSIRMDNPFYPR 600
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
551 LLGQKYNHSSVDWWSFGVLLYEMLIGQSPFHHGQDEEEFLHSIRMDNPFYPR 600
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
601 WLEKEAKDLLVK..VRSEAKSVFIR 623
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
601 WLEKEAKDLLVKLFVREPERKLIGVR 625

Fig. 36 (Cont.)